

ABSTRACT

Methods, devices, kits and compositions to treat a myocardial infarction. In one embodiment, the method includes the prevention of remodeling of the infarct zone of the ventricle using a combination of therapies. The method may include the introduction of structurally reinforcing agents. In other embodiments, agents may be introduced into a ventricle to increase compliance of the ventricle. The prevention of remodeling may include the prevention of thinning of the ventricular infarct zone. Another embodiment includes the reversing or prevention of ventricular remodeling with electro-stimulatory therapy. The unloading of the stressed myocardium over time effects reversal of undesirable ventricular remodeling. These therapies may be combined with structurally reinforcing therapies. In other embodiments, the structurally reinforcing component may be accompanied by other therapeutic agents. These agents may include but are not limited to pro-fibroblastic and angiogenic agents.